

Commonwealth of Kentucky
Natural Resources and Environmental Protection Cabinet
Department for Environmental Protection
Division for Air Quality
803 Schenkel Lane
Frankfort, Kentucky 40601
(502) 573-3382

AIR QUALITY PERMIT

Issued under 401 KAR 52:030

Draft

Permittee Name: Weyerhaeuser Company
Mailing Address: 5150 Nashville Road, Bowling Green, Kentucky 42101

Source Name: Weyerhaeuser Company
Mailing Address: Same as Above

Source Location: 5150 Nashville Road, Bowling Green, Kentucky 42101

Permit Number: F-04-004
Log Number: 56008
Review Type: Conditional Major / Synthetic Minor
KYEIS ID #: 21-227-00081
SIC Code: 2653

Regional Office: Bowling Green Regional Office
1508 Western Avenue
Bowling Green, KY 42104-3356
(270) 746-7475

County: Warren

Application
Complete Date: January 29, 2004
Issuance Date:
Expiration Date:

John S. Lyons, Director
Division for Air Quality

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SECTION A - PERMIT AUTHORIZATION

Pursuant to a duly submitted application the Kentucky Division for Air Quality hereby authorizes the operation of the equipment described herein in accordance with the terms and conditions of this permit. This permit has been issued under the provisions of Kentucky Revised Statutes Chapter 224 and regulations promulgated pursuant thereto.

The permittee shall not construct, reconstruct, or modify any affected facilities without first having submitted a complete application and received a permit for the planned activity from the permitting authority, except as provided in this permit or in 401 KAR 52:030, Federally-enforceable permits for non-major sources.

Issuance of this permit does not relieve the permittee from the responsibility of obtaining any other permits, licenses, or approvals required by this Cabinet or any other federal, state, or local agency.

SECTION B - AFFECTED FACILITIES, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

EP01 (3) Boiler - Process Steam for Corrugator
Description: Company I.D.: SN-P-3371
Rated Capacity: 20.4 MMBTU/HR
Fuel: Natural gas
Date installed: 1995

APPLICABLE REGULATIONS:

401 KAR 59:015, New indirect heat exchanger, applicable to each indirect heat exchanger having a heat input capacity of more than 1,000,000 Btu per hour commenced on or after April 9, 1972.

40 CFR Subpart Dc, Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units.

1. Operating Limitations: 20.4 MMBTU/HR

2. Emission Limitations:

- i) Particulate emissions shall not exceed 0.397 lb/MMBTU
- ii) Sulfur dioxide emissions shall not exceed 1.648 lb/MMBTU
- iii) Visible emissions shall not exceed 20% opacity
- iv) Source-wide VOC emissions shall be less than or equal to 90.0 tons during any twelve (12) consecutive month period.

Compliance Demonstration:

The unit shall be deemed to be in compliance with the PM, SO₂ and opacity limits when the unit is burning natural gas and the operating limit is met.

Operating Limit (MMBTU/HR) = (MMft³/HR natural gas) x Heat Input (BTU/ft³ natural gas)

VOC emission rate = (5.5 lb/MMft³) x (MMft³ of natural gas burned/month)

3. Testing Requirements: Testing shall be conducted at such times as may be required by the Cabinet in accordance with 401 KAR 59:005 section 2(2) and 50:045 section 4.

4. Specific Monitoring Requirements: None

5. Specific Recordkeeping Requirements: The permittee shall keep source-wide monthly records of the volume of natural gas burned.

6. Specific Reporting Requirements: None

7. Specific Control Equipment Operating Conditions: None

8. Alternate Operating Scenarios: None

SECTION B - AFFECTED FACILITIES, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

EP02 (4, 11) Corrugator/ **Description:** Equipment Blank Size – Width, 98”
Starch Mixing **Potential Line Speed – 1300 ft/min**
Maximum Production – 5,580,120 1000 ft²/yr

APPLICABLE REGULATIONS:

401 KAR 63:020 – Potentially Hazardous Matter and Toxic Substance Emissions, applies to the potentially hazardous matter and toxic substance emissions from affected facilities.

401 KAR 59:010 - Particulate Matter, applies to the particulate matter emissions from affected facilities constructed on or after July 2, 1975.

1. Operating Limitations:

The usage rate of raw materials used in all affected facilities shall be limited so that the emission limitations set forth in item 2, below, are not exceeded.

2. Emission Limitations:

- A. Actual HAP emissions shall not equal or exceed 9.0 tons per year of any single HAP and combination of HAPs. These annual source wide limitations shall not be exceeded during any consecutive twelve (12) month period for the entire source.
- B. Source-wide VOC emissions shall be less than or equal to 90.0 tons during any twelve (12) consecutive month period.
- C. Visible emissions shall not equal or exceed 20% opacity.
401 KAR 59:010, Section 3(1)(a). See Specific Monitoring Requirements.
- D. Particulate emissions shall not equal or exceed the emission rate determined by the following equation:
$$E = 3.59 \times (P)^{(0.62)}$$

Where,
E = Emission rate in pounds per hour.
P = Process input weight rate of cardboard to the corrugator in tons per hour.
401 KAR 59:010, Section 3(2).

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)**Compliance Demonstration Method for VOC:**

$$\text{VOC emissions (tons/month)} = \frac{(EF_{\text{VOC}}) \times (\text{Monthly Production})}{2000}$$

Where EF_{VOC} is in units of lbsVOC/1000 ft²
and Monthly Production is 1000 ft² of corrugated board/month.

Compliance Demonstration Method for HAP:

HAP emissions (tons/month) = Tons of HAP Containing Starch Additives/month x HAP content +
Tons of Coating/month x HAP content

The source is in compliance with 401 KAR 63:020 referenced in Section B of this permit. This compliance determination is based on the emission rates of HAPs (e. g., formaldehyde) given in the application submitted by the source. If the source alters process rates, material formulations, or any other factor that would result in an increase of HAP emissions or the addition of HAP emissions not previously evaluated by the Division, the source shall submit the appropriate application forms pursuant to 401 KAR 52:030, along with modeling to show that the facility will remain in compliance with 401 KAR 63:020.

Compliance Demonstration Method for PM/PM₁₀:

This emission point is assumed to be in compliance with 401 KAR 59:010.
See Specific Monitoring Requirements

3. **Testing Requirements:** Testing shall be conducted at such times as may be required by the Cabinet in accordance with 401 KAR 59:005 section 2(2) and 50:045 section 4.
4. **Specific Monitoring Requirements:** The permittee shall perform a qualitative visual observation of the opacity of emissions from the roof top vents at least once per operating month and maintain a log of the observations. If visible emissions from the vents are seen (not including condensed water vapor within the plume), then the opacity shall be determined by Reference Method 9. If emissions are in excess of the applicable opacity limit, then an inspection shall be initiated of control equipment for all necessary repairs.

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)**5. Specific Record Keeping Requirements:**

- A. The permittee shall maintain monthly records of the 1000 ft² of corrugated board produced. VOC emissions shall be calculated and recorded on a *monthly* basis. These records shall be summarized in tons per month VOC emissions; subsequently, tons of VOC emissions per rolling 12-month period shall be recorded. In addition, these records shall demonstrate compliance with VOC emission limitations listed herein for the conditional major limitations. These records, as well as purchase orders and invoices for all VOC containing materials, shall be maintained on site for a period of five years from the date the data was collected and shall be provided to the Division upon request.
- B. The permittee shall maintain monthly records of the purchase and usage of the starch additives or any HAP containing material. HAP emissions shall be calculated and recorded on a *monthly* basis. These records shall be summarized in tons per month HAP emissions; subsequently, tons of HAP emissions per rolling 12-month period shall be recorded. In addition, these records shall demonstrate compliance with HAP emission limitations listed herein for the conditional major limitations. These records, as well as purchase orders and invoices for all HAP containing materials, shall be maintained on site for a period of five years from the date the data was collected and shall be provided to the Division upon request.

6. Specific Reporting Requirements:

The permittee shall submit, within 30 days following the end of each calendar half, an emissions calculations worksheet, which utilizes product specific emission factors and emission factors derived from testing. These worksheets shall be submitted as a hardcopy and shall serve as the method of determining compliance with 401 KAR 52:030 and 401 KAR 59:010.

7. Specific Control Equipment Operating Conditions: None**8. Alternate Operating Scenario: None****9. Compliance Certification Requirement: See Section F-9**

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)**EP03 (5) Rotary Flexographic Printing and Die cutting Press Machine****Description: Ward Model # SV 66" x 80"****2-print station**

Year of Installation 1995

Rotary Flexographic Printing and Die cutting Press Machine**Description: Ward Model # SV 2000 66" x 113"****5-print station**

Year of Installation 1998

EP04 (6) Rotary Flexographic Printing and Folding Press Machine**Description: Langston Model # Saturn II 256 50" x 113"****3-print station**

Year of Installation 1995

Rotary Flexographic Printing and Folding Press Machine**Description: Langston Model # Saturn III C 37" x 97"****3-print station**

Year of Installation 1995

Rotary Flexographic Printing and Folding Press Machine**Description: Langston Model # Saturn III 27" x 68"****3-print station**

Year of Installation 1995

EP05 (7) Rotary Flexographic Printing and Die Cutting Press Machine**Description: United Model # CLB450 66" x 85"****4-print station**

Year of Installation 1995

EP06 (16) Platen Die Cutter**Description: Bobst Model # 1575EEG 42" x 62"**

Year of Installation 1995

Platen Die Cutter**Description: Bobst Model # SPO 1600 43" x 62"**

Year of Installation 1995

EP07 Die Cut Station**Description: TBD Model #: TBD**

Year of Installation See Condition Section G(d)

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

| | |
|------------------|--|
| EP08 | UV Print Station |
| | Description: TBD Model # TBD Year of Installation See Condition Section G(d) |
| EP09 | Dryer for Print Station |
| | Description: TBD Model #: TBD Year of Installation: See Condition Section G(d) |
| EP10 (16) | Rotary Flexographic Printing and Die Cutting Press Machine |
| | Description: Ward Model # SV 2000 66" x 80" 2-print station Year of Installation 1998 |
| EP11 (8) | Folder Gluer |
| | Description: International Model # FG-46 30" x 46" Year of Installation 1995 |
| | Folder Gluer |
| | Description: Post Model # 64 CORR 64" x 100" Year of Installation 1995 |
| EP12 | Hot Melt Glue Machine |
| | Description: Universal Model # H20 Nordson 45" x 88" Year of Installation 1995 |
| | Hot Melt Glue Machine |
| | Description: Built In-house Utilizes 250 degree Hot Melt Year of Installation 1995 |
| | Hot Melt Glue Machine |
| | Description: Built In-house Utilizes 250 degree Hot Melt Year of Installation 1995 |
| EP13 | Hot Melt Glue Machine |
| | Description: In-house design Year of Installation See Condition Section G(d) |
| | Hot Melt Glue Machine |
| | Description: In-house design Year of Installation See Condition Section G(d) |
| EP14 | Auto Box Packer |
| | Description: TBD Year of Installation See Condition Section G(d) |

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)**EP15 Ink Blending****Description: Specialty Ink**

Year of Installation See Condition Section G(d)

EP16 Folder Gluer with Hot Melting**Description: Bobst/Post Model # 3115 80" x 109"**

Year of Installation 1998

Type of Air Pollution Control Equipment: None**APPLICABLE REGULATIONS:**

401 KAR 63:020 – Potentially Hazardous Matter and Toxic Substance Emissions, applies to the potentially hazardous matter and toxic substance emissions from affected facilities.

1. Operating Limitations:

The usage rate of raw materials used in all affected facilities shall be limited so that the emission limitations set forth in item 2, below, are not exceeded.

2. Emission Limitations:

- A. Actual HAP emissions shall not equal or exceed 9.0 tons per year of any single HAP and combination of HAPs. These annual source wide limitations shall not be exceeded during any consecutive twelve (12) month period for the entire source. See Compliance Demonstration Method 1.
- B. Source-wide VOC emissions shall be less than or equal to 90.0 tons during any twelve (12) consecutive month period. See Compliance Demonstration Method 2.

Compliance Demonstration Method:**1. HAP calculations for water-based flexographic operations**

$$\begin{aligned} \text{HAP Emissions} = & \text{Amount of Ink (lbs)} \times \text{HAP Content (weight\%)} + \\ & \text{Amount of Coating (lbs)} \times \text{HAP Content (weight\%)} + \\ & \text{Amount of Adhesive (lbs)} \times \text{HAP Content (weight\%)} + \\ & \text{Amount of Diluents (lbs)} \times \text{HAP Content (weight\%)} + \\ & \text{Amount of Cleaning Solvent (gal)} \times \text{HAP Content (lbs/gal)} \end{aligned}$$

The source is in compliance with 401 KAR 63:020 referenced in Section B of this permit. This compliance determination is based on the emission rates of HAPs (e. g., formaldehyde) given in the application submitted by the source. If the source alters process rates, material formulations, or any other factor that would result in an increase of HAP emissions or the addition of HAP emissions not previously evaluated by the Division, the source shall submit the appropriate application forms pursuant to 401 KAR 52:030, along with modeling to show that the facility will remain in compliance with 401 KAR 63:020.

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)**Compliance Demonstration Method (Continued):****2. VOC calculations for water-based flexographic operations**

$$\begin{aligned} \text{VOC Emissions} = & \text{Amount of Ink (lbs) x VOC Content (weight\%)} + \\ & \text{Amount of Coating (lbs) x VOC Content (weight\%)} + \\ & \text{Amount of Adhesive (lbs) x VOC Content (weight\%)} + \\ & \text{Amount of Diluents (lbs) x VOC Content (weight\%)} + \\ & \text{Amount of Cleaning Solvent (gal) x VOC Content (lbs/gal)} \end{aligned}$$

3. Testing Requirements:

Testing shall be conducted at such times as may be required by the Cabinet in accordance with 401 KAR 59:005 section 2(2) and 50:045 section 4.

4. Specific Monitoring Requirements:

See Specific Recordkeeping Requirements

5. Specific Recordkeeping Requirements:

The permittee shall maintain monthly records of the purchase and usage of the inks, coatings, varnishes and adhesives or any VOC/HAP containing material. VOC/HAP emissions shall be calculated and recorded on a *monthly* basis. These records shall be summarized in tons per month VOC/HAP emissions; subsequently, tons of VOC/HAP emissions per rolling 12-month period shall be recorded. In addition, these records shall demonstrate compliance with VOC/HAP emission limitations listed herein for the conditional major limitations. These records, as well as purchase orders and invoices for all VOC/HAP containing materials, shall be maintained on site for a period of five years from the date the data was collected and shall be provided to the Division upon request.

6. Specific Reporting Requirements:

The permittee shall submit, within 30 days following the end of each calendar half, an emissions calculations worksheet, which utilizes product specific emission factors and emission factors derived from testing. These worksheets shall be submitted as a hardcopy and shall serve as the method of determining compliance with 401 KAR 52:030 and 401 KAR 59:010.

7. Specific Control Equipment Operating Conditions: NA**8. Alternate Operating Scenarios: N/A**

SECTION C - INSIGNIFICANT ACTIVITIES

The following listed activities have been determined to be insignificant activities for this source pursuant to 401 KAR 52:030, Section 6. While these activities are designated as insignificant the permittee must comply with the applicable regulation and some minimal level of periodic monitoring may be necessary.

| | <u>Description</u> | <u>Generally Applicable Regulation</u> |
|-----|--|--|
| 1. | Starch Silo | 401 KAR 59:010 |
| 2. | Die Repair | |
| 3. | Plate Repair | |
| 4. | Maintenance Parts Washer | |
| 5. | Eleven 0.350 MM BTU /HR Space Heaters | 401 KAR 59:010 |
| 6. | One 0.6 MM BTU/HR Space Heater | 401 KAR 59:010 |
| 7. | Four 0.150 MM BTU/HR Space Heaters | 401 KAR 59:010 |
| 8. | One 0.175 MM BTU/HR Space Heater | 401 KAR 59:010 |
| 9. | Two 0.25 MM BTU/HR Space Heaters | 401 KAR 59:010 |
| 10. | One 0.075 MM BTU/HR Space Heater | 401 KAR 59:010 |
| 11. | Two 0.135 MM BTU/HR Space Heaters | 401 KAR 59:010 |
| 12. | One 0.08 MM BTU/HR Space Heater | 401 KAR 59:010 |
| 13. | Two 4.0 MM BTU/HR Space Heaters | 401 KAR 59:015 |
| 14. | One 0.125 MM BTU/HR Water Heater | 401 KAR 59:010 |
| 15. | One 1.2064 MM BTU/HR Water Heater | 401 KAR 59:015 |
| 16. | Two 0.18 MM BTU/HR Space Heaters | 401 KAR 59:010 |
| 17. | Two 6.695 MMBTU/HR Boilers Date Installed: 1975 | 401 KAR 59:015 |

SECTION D - SOURCE EMISSION LIMITATIONS AND TESTING REQUIREMENTS

1. As required by Section 1b of the material incorporated by reference in 401 KAR 52:030 Section 10, compliance with annual emissions and processing limitations contained in this permit, shall be based on emissions and processing rates for any twelve (12) consecutive months.
2. VOC emissions shall not exceed 90 tons during any consecutive twelve (12) month period. Monthly records to demonstrate compliance with this limitation shall be maintained and total VOC emissions shall be reported on a semi-annual basis.
3. The emissions of any individual and combined Hazardous Air Pollutant (HAP) shall not exceed nine (9) tons during any consecutive twelve (12) month period. Monthly records, which demonstrate compliance with this limitation, shall be maintained and total HAP emissions shall be reported on a semi-annual basis.

SECTION E - SOURCE CONTROL EQUIPMENT REQUIREMENTS

1. Pursuant to 401 KAR 50:055, Section 2(5), at all times, including periods of startup, shutdown and malfunction, owners and operators shall, to the extent practicable, maintain and operate any affected facility including associated air pollution control equipment in a manner consistent with good air pollution control practice for minimizing emissions. Determination of whether acceptable operating and maintenance procedures are being used will be based on information available to the Division which may include, but is not limited to, monitoring results, opacity observations, review of operating and maintenance procedures, and inspection of the source.

SECTION F - MONITORING, RECORD KEEPING, AND REPORTING REQUIREMENTS

1. Pursuant to Section 1b (IV)(1) of the *Cabinet Provisions and Procedures for Issuing Federally-Enforceable Permits for Non-Major Sources* incorporated by reference in 401 KAR 52:030 Section 10, when continuing compliance is demonstrated by periodic testing or instrumental monitoring, the permittee shall compile records of required monitoring information that include:
 - a. Date, place (as defined in this permit), and time of sampling or measurements;
 - b. Analyses performance dates;
 - c. Company or entity that performed analyses;
 - d. Analytical techniques or methods used;
 - e. Analyses results; and
 - f. Operating conditions during time of sampling or measurement.
2. Records of all required monitoring data and support information, including calibrations, maintenance records, and original strip chart recordings, and copies of all reports required by the Division for Air Quality, shall be retained by the permittee for a period of five years and shall be made available for inspection upon request by any duly authorized representative of the Division for Air Quality[401 KAR 52:030 Section 3(1)(f)1a and Section 1a (7) of the *Cabinet Provisions and Procedures for Issuing Federally-Enforceable Permits for Non-Major Sources* incorporated by reference in 401 KAR 52:030 Section 10].
3. In accordance with the requirements of 401 KAR 52:030 Section 3(1)f the permittee shall allow authorized representatives of the Cabinet to perform the following during reasonable times:
 - a. Enter upon the premises to inspect any facility, equipment (including air pollution control equipment), practice, or operation;
 - b. To access and copy any records required by the permit;
 - c. Sample or monitor, at reasonable times, substances or parameters to assure compliance with the permit or any applicable requirements.Reasonable times are defined as during all hours of operation, during normal office hours; or during an emergency.
4. No person shall obstruct, hamper, or interfere with any Cabinet employee or authorized representative while in the process of carrying out official duties. Refusal of entry or access may constitute grounds for permit revocation and assessment of civil penalties.
5. Summary reports of any monitoring required by this permit, other than continuous emission or opacity monitors, shall be submitted to the Regional Office listed on the front of this permit at least every six (6) months during the life of this permit, unless otherwise stated in this permit. For emission units that were still under construction or which had not commenced operation at the end of the 6-month period covered by the report and are subject to monitoring requirements in this permit, the report shall indicate that no monitoring was performed during the previous six months because the emission unit was not in operation.

SECTION F - MONITORING, RECORD KEEPING, AND REPORTING REQUIREMENTS (CONTINUED)

6. The semi-annual reports are due by January 30th and July 30th of each year. All reports shall be certified by a responsible official pursuant to 401 KAR 52:030 Section 22. All deviations from permit requirements shall be clearly identified in the reports.
7. In accordance with the provisions of 401KAR 50:055, Section 1 the owner or operator shall notify the Regional Office listed on the front of this permit concerning startups, shutdowns, or malfunctions as follows:
 - a. When emissions during any planned shutdowns and ensuing startups will exceed the standards notification shall be made no later than three (3) days before the planned shutdown, or immediately following the decision to shut down, if the shutdown is due to events which could not have been foreseen three (3) days before the shutdown.
 - b. When emissions due to malfunctions, unplanned shutdowns and ensuing startups are or may be in excess of the standards notification shall be made as promptly as possible by telephone (or other electronic media) and shall submit written notice upon request.
8. The owner or operator shall report emission related exceedances from permit requirements including those attributed to upset conditions (other than emission exceedances covered by Section F.7 above) to the Regional Office listed on the front of this permit within 30 days. Other deviations from permit requirements shall be included in the semiannual report required by Section F.5 [Section 1b V(3) and (4) of the *Cabinet Provisions and Procedures for Issuing Federally-Enforceable Permits for Non-Major Sources* incorporated by reference in 401 KAR 52:030 Section 10].
9. Pursuant to 401KAR 52:030, Section 21, the permittee shall annually certify compliance with the terms and conditions contained in this permit by completing and returning a Compliance Certification Form (DEP 7007CC) (or an alternative approved by the regional office) to the Regional Office listed on the front of this permit in accordance with the following requirements:
 - a. Identification of each term or condition;
 - b. Compliance status of each term or condition of the permit;
 - c. Whether compliance was continuous or intermittent;
 - d. The method used for determining the compliance status for the source, currently and over the reporting period.
 - e. For an emissions unit that was still under construction or which has not commenced operation at the end of the 12-month period covered by the annual compliance certification, the permittee shall indicate that the unit is under construction and that compliance with any applicable requirements will be demonstrated within the timeframes specified in the permit.

SECTION F - MONITORING, RECORD KEEPING, AND REPORTING

REQUIREMENTS (CONTINUED)

- f. The certification shall be postmarked by January 30th of each year. **Annual compliance certifications should be mailed to the following addresses:**

| | |
|-------------------------------|--------------------------|
| Division for Air Quality | Division for Air Quality |
| Bowling Green Regional Office | Central Files |
| 1508 Westen Avenue | 803 Schenkel Lane |
| Bowling Green, KY 42104-3356 | Frankfort, KY 40601 |

10. In accordance with 401KAR 52:030, Section 3(1)(d), the permittee shall provide the Division with all information necessary to determine its subject emissions within thirty (30) days of the date the KEIS emission survey is mailed to the permittee. If a KYEIS emission report is not mailed to the permittee, comply with all other emission reporting requirements in this permit.
11. Pursuant to Section VII (3) of the policy manual of the Division for Air Quality as referenced in 401 KAR 50:016, Section 1(1), results of performance test(s) required by the permit shall be submitted to the Division by the source or its representative within forty-five days after the completion of the fieldwork..
12. The Cabinet may authorize the temporary use of an emission unit to replace a similar unit that is taken off-line for maintenance, if the following conditions are met:
- a. The owner or operator shall submit to the Cabinet, at least ten (10) days in advance of replacing a unit, the appropriate Forms DEP7007AI to DD that show:
 - i. The size and location of both the original and replacement units; and
 - ii. Any resulting change in emissions;
 - b. The PTE of the replacement unit shall not exceed that of the original unit by more than twenty-five (25) percent of a major source threshold, and the emissions from the unit shall not cause the source to exceed the emissions allowable under the permit;
 - c. The PTE of the replacement unit or the resulting PTE of the source shall not subject the source to a new applicable requirement;
 - d. The replacement unit shall comply with all applicable requirements; and
 - e. The source shall notify Regional office of all shutdowns and start-ups.
 - f. Within six (6) months after installing the replacement unit, the owner or operator shall:
 - i. Re-install the original unit and remove or dismantle the replacement unit; or
 - ii. Submit an application to permit the replacement unit as a permanent change.

SECTION G - GENERAL PROVISIONS

(a) General Compliance Requirements

1. The permittee shall comply with all conditions of this permit. A noncompliance shall be a violation of 401 KAR 52:030 Section 3(1)(b) and is also a violation of Federal Statute 42 USC 7401 through 7671q (the Clean Air Act). Noncompliance with this permit is grounds for enforcement action including but not limited to the termination, revocation and reissuance, revision, or denial of a permit [Section 1a (2) of the *Cabinet Provisions and Procedures for Issuing Federally-Enforceable Permits for Non-Major Sources* incorporated by reference in 401 KAR 52:030 Section 10].
2. The filing of a request by the permittee for any permit revision, revocation, reissuance, or termination, or of a notification of a planned change or anticipated noncompliance, shall not stay any permit condition [Section 1a (5) of the *Cabinet Provisions and Procedures for Issuing Federally-Enforceable Permits for Non-Major Sources* incorporated by reference in 401 KAR 52:030 Section 10].
3. This permit may be revised, revoked, reopened and reissued, or terminated for cause in accordance with 401 KAR 52:030 Section 18. The permit will be reopened for cause and revised accordingly under the following circumstances:
 - a. If additional applicable requirements become applicable to the source and the remaining permit term is three (3) years or longer. In this case, the reopening shall be completed no later than eighteen (18) months after promulgation of the applicable requirement. A reopening shall not be required if compliance with the applicable requirement is not required until after the date on which the permit is due to expire, unless this permit or any of its terms and conditions have been extended pursuant to 401 KAR 52:030 Section 12;
 - b. The Cabinet or the U. S. EPA determines that the permit must be revised or revoked to assure compliance with the applicable requirements;
 - c. The Cabinet or the U. S. EPA determines that the permit contains a material mistake or that inaccurate statements were made in establishing the emissions standards or other terms or conditions of the permit.
4. Proceedings to reopen and reissue a permit shall follow the same procedures as apply to initial permit issuance and shall affect only those parts of the permit for which cause to reopen exists. Reopenings shall be made as expeditiously as practicable. Reopenings shall not be initiated before a notice of intent to reopen is provided to the source by the Division, at least thirty (30) days in advance of the date the permit is to be reopened, except that the Division may provide a shorter time period in the case of an emergency.
5. The permittee shall furnish information upon request of the Cabinet to determine if cause exists for modifying, revoking and reissuing, or terminating the permit; or compliance with the conditions of this permit [Sections 1a (6) and (7) of the *Cabinet Provisions and Procedures for Issuing Federally-Enforceable Permits for Non-Major Sources* incorporated by reference in 401 KAR 52:030 Section 10].

SECTION G - GENERAL PROVISIONS (CONTINUED)

6. The permittee, upon becoming aware that any relevant facts were omitted or incorrect information was submitted in the permit application, shall promptly submit such supplementary facts or corrected information to the permitting authority [401 KAR 52:030 Section 7(1)].
7. Any condition or portion of this permit which becomes suspended or is ruled invalid as a result of any legal or other action shall not invalidate any other portion or condition of this permit [Section 1a (11) of the *Cabinet Provisions and Procedures for Issuing Federally-Enforceable Permits for Non-Major Sources* incorporated by reference in 401 KAR 52:030 Section 10].
8. The permittee shall not use as a defense in an enforcement action the contention that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance [Section 1a (3) of the *Cabinet Provisions and Procedures for Issuing Federally-Enforceable Permits for Non-Major Sources* incorporated by reference in 401 KAR 52:030 Section 10].
9. Except for requirements identified in this permit as state-origin requirements, all terms and conditions shall be enforceable by the United States Environmental Protection Agency and citizens of the United States [Section 1a (12)(b) of the *Cabinet Provisions and Procedures for Issuing Federally-Enforceable Permits for Non-Major Sources* incorporated by reference in 401 KAR 52:030 Section 10].
10. This permit shall be subject to suspension if the permittee fails to pay all emissions fees within 90 days after the date of notice as specified in 401 KAR 50:038 Section 3(6) [Section 1a (9) of the *Cabinet Provisions and Procedures for Issuing Federally-Enforceable Permits for Non-Major Sources* incorporated by reference in 401 KAR 52:030 Section 10].
11. Nothing in this permit shall alter or affect the liability of the permittee for any violation of applicable requirements prior to or at the time of permit issuance [401 KAR 52:030 Section 11(3)].
12. This permit does not convey property rights or exclusive privileges [Section 1a (8) of the *Cabinet Provisions and Procedures for Issuing Federally-Enforceable Permits for Non-Major Sources* incorporated by reference in 401 KAR 52:030 Section 10].
13. Issuance of this permit does not relieve the permittee from the responsibility of obtaining any other permits, licenses, or approvals required by the Kentucky Cabinet for Natural Resources and Environmental Protection or any other federal, state, or local agency.
14. Nothing in this permit shall alter or affect the authority of U.S. EPA to obtain information pursuant to Federal Statute 42 USC 7414, Inspections, monitoring, and entry.
15. Nothing in this permit shall alter or affect the authority of U.S. EPA to impose emergency orders pursuant to Federal Statute 42 USC 7603, Emergency orders.

SECTION G - GENERAL PROVISIONS (CONTINUED)

16. This permit consolidates the authority of any previously issued PSD, NSR, or Synthetic minor source preconstruction permit terms and conditions for various emission units and incorporates all requirements of those existing permits into one single permit for this source.
17. Permit Shield – A permit shield shall not protect the owner or operator from enforcement actions for violating an applicable requirement prior to or at the time of permit issuance. Compliance with the conditions of this permit shall be considered compliance with:
 - (a) Applicable requirements that are included and specifically identified in this permit; and
 - (b) Non-applicable requirements expressly identified in this permit.
18. Emission units described in this permit shall demonstrate compliance with applicable requirements if requested by the Division [401 KAR 52:030 Section 3(1)(c)].
19. The authority to operate granted through this permit shall cease to apply if the source fails to submit additional information requested by the Division after the completeness determination has been made on any application, by whatever deadline the Division sets [401 KAR 52:030 Section 8(2)].

(b) Permit Expiration and Reapplication Requirements

This permit shall remain in effect for a fixed term of five (5) years following the original date of issue. Permit expiration shall terminate the source's right to operate unless a timely and complete renewal application has been submitted to the Division at least six months prior to the expiration date of the permit. Upon a timely and complete submittal, the authorization to operate within the terms and conditions of this permit, including any permit shield, shall remain in effect beyond the expiration date, until the renewal permit is issued or denied by the Division [401 KAR 52:030 Section 12].

(c) Permit Revisions

1. Minor permit revision procedures specified in 401 KAR 52:030 Section 14 (3) may be used for permit revisions involving the use of economic incentive, marketable permit, emission trading, and other similar approaches, to the extent that these minor permit revision procedures are explicitly provided for in the SIP or in applicable requirements and meet the relevant requirements of 401 KAR 52:030 Section 14 (2).
2. This permit is not transferable by the permittee. Future owners and operators shall obtain a new permit from the Division for Air Quality. The new permit may be processed as an administrative amendment if no other change in this permit is necessary, and provided that a written agreement containing a specific date for transfer of permit responsibility coverage and liability between the current and new permittee has been submitted to the permitting authority within ten (10) days following the transfer.

SECTION G - GENERAL PROVISIONS (CONTINUED)

(d) Construction, Start-Up, and Initial Compliance Demonstration Requirements

EP02 Upgraded Knife on Corrugator

EP07 Die Cutter Station

EP08 UV Print Station

EP09 Dryer for Print Station

EP13 Two Hot Melt Glue Machines

EP14 Auto Box Packer

EP15 Ink Blending

1. Construction of any process and/or air pollution control equipment authorized by this permit shall be conducted and completed only in compliance with the conditions of this permit.
2. Within thirty (30) days following commencement of construction and within fifteen (15) days following start-up and attainment of the maximum production rate specified in the permit application, or within fifteen (15) days following the issuance date of this permit, whichever is later, the permittee shall furnish to the Regional Office listed on the front of this permit in writing, with a copy to the Division's Frankfort Central Office, notification of the following:
 - a. The date when construction commenced.
 - b. The date of start-up of the affected facilities listed in this permit.
 - c. The date when the maximum production rate specified in the permit application was achieved.
3. Pursuant to 401 KAR 52:030, Section 3(2), unless construction is commenced within eighteen (18) months after the permit is issued, or begins but is discontinued for a period of eighteen (18) months or is not completed within a reasonable timeframe then the construction and operating authority granted by this permit for those affected facilities for which construction was not completed shall immediately become invalid. Upon written request, the Cabinet may extend these time periods if the source shows good cause.
4. For those affected facilities for which construction is authorized by this permit, a source shall be allowed to construct with the final permit. Operational or final permit approval is not granted by this permit until compliance with the applicable standards specified herein has been demonstrated pursuant to 401 KAR 50:055. If compliance is not demonstrated within the prescribed timeframe provided in 401 KAR 50:055, the source shall operate thereafter only for the purpose of demonstrating compliance, unless otherwise authorized by Section I of this permit or order of the Cabinet.

SECTION G - GENERAL PROVISIONS (CONTINUED)

5. This permit shall allow time for the initial start-up, operation, and compliance demonstration of the affected facilities listed herein. However, within sixty (60) days after achieving the maximum production rate at which the affected facilities will be operated but not later than 180 days after initial start-up of such facilities, the permittee shall conduct a performance demonstration on the affected facilities in accordance with 401 KAR 50:055, General compliance requirements.
6. Terms and conditions in this permit established pursuant to the construction authority of 401 KAR 51:017 or 401 KAR 51:052 shall not expire.

(e) Acid Rain Program Requirements

1. If an applicable requirement of Federal Statute 42 USC 7401 through 7671q (the Clean Air Act) is more stringent than an applicable requirement promulgated pursuant to Federal Statute 42 USC 7651 through 7651o (Title IV of the Act), both provisions shall apply, and both shall be state and federally enforceable.

(f) Emergency Provisions

1. Pursuant to 401 KAR 52:030 Section 23(1), an emergency shall constitute an affirmative defense to an action brought for noncompliance with the technology-based emission limitations if the permittee demonstrates through properly signed contemporaneous operating logs or other relevant evidence that:
 - a. An emergency occurred and the permittee can identify the cause of the emergency;
 - b. The permitted facility was at the time being properly operated;
 - c. During an emergency, the permittee took all reasonable steps to minimize levels of emissions that exceeded the emissions standards or other requirements in the permit; and,
 - d. The permittee notified the Division as promptly as possible and submitted written notice of the emergency to the Division within two (2) working days of the time when emission limitations were exceeded due to an emergency. The notice shall include a description of the emergency, steps taken to mitigate emissions, and the corrective actions taken.
2. Notification of the Division does not relieve the source of any other local, state or federal notification requirements.
3. Emergency conditions listed in General Provision G(f)1 above are in addition to any emergency or upset provision(s) contained in an applicable requirement [401 KAR 52:030 Section 23(3)].
4. In an enforcement proceeding, the permittee seeking to establish the occurrence of an emergency shall have the burden of proof[401 KAR 52:030 Section 23(2)].

SECTION G - GENERAL PROVISIONS (CONTINUED)

(g) Risk Management Provisions

1. The permittee shall comply with all applicable requirements of 401 KAR Chapter 68, Chemical Accident Prevention, which incorporates by reference 40 CFR Part 68, Risk Management Plan provisions. If required, the permittee shall comply with the Risk Management Program and submit a Risk Management Plan to:

RMP Reporting Center
P.O. Box 3346
Merrifield, VA, 22116-3346

2. If requested, submit additional relevant information to the Division or the U.S. EPA.

(h) Ozone depleting substances

1. The permittee shall comply with the standards for recycling and emissions reduction pursuant to 40 CFR 82, Subpart F, except as provided for Motor Vehicle Air Conditioners (MVACs) in Subpart B:
 - a. Persons opening appliances for maintenance, service, repair, or disposal shall comply with the required practices contained in 40 CFR 82.156.
 - b. Equipment used during the maintenance, service, repair, or disposal of appliances shall comply with the standards for recycling and recovery equipment contained in 40 CFR 82.158.
 - c. Persons performing maintenance, service, repair, or disposal of appliances shall be certified by an approved technician certification program pursuant to 40 CFR 82.161.
 - d. Persons disposing of small appliances, MVACs, and MVAC-like appliances (as defined at 40 CFR 82.152) shall comply with the recordkeeping requirements pursuant to 40 CFR 82.166.
 - e. Persons owning commercial or industrial process refrigeration equipment shall comply with the leak repair requirements pursuant to 40 CFR 82.156.
 - f. Owners/operators of appliances normally containing 50 or more pounds of refrigerant shall keep records of refrigerant purchased and added to such appliances pursuant to 40 CFR 82.166.
2. If the permittee performs service on motor (fleet) vehicle air conditioners containing ozone-depleting substances, the source shall comply with all applicable requirements as specified in 40 CFR 82, Subpart B, *Servicing of Motor Vehicle Air Conditioners*.

SECTION H - ALTERNATE OPERATING SCENARIOS

NA

SECTION I - COMPLIANCE SCHEDULE

NA